

PRODUCT CHARACTERISTIC SHEET and COC

Material: ARMALEX™ 10 MIL VELVET GLOSS

Part Nos: ALRP101550VG

General Description: Rigid clear Lexan® 8A35 Polycarbonate with an embossed velvet textured top surface.

Thickness:	10 mil. without the protective liner.
Outdoor Life:	Intended for indoor use. May discolor over time with continuous exposure to UV light.
Shelf Life:	2 years stored at 70° F & 50%RH
Service Temperature Range:	(-40° F to 212° F)
Minimum Application Temp.:	N/A

Adhesive Properties:

Although Armalex™ does not have adhesive, pressure sensitive transfer adhesives are often used with it. Adhesives should be compatible with polycarbonates.

Tests performed | results:

Physical	Value	Unit	Test Method
Specific Gravity	1.2	g/cm3	ASTM D792
Area Factor (Yield Factor)	0.0433	Lb/in3	
Mechanical	Value	Unit	Test Method
Tensile Strength at: Yield	8500	psi	ASTM D882
Break	9000	psi	
Tear Strength at Initiation	1.4 - 1.8	lb./mil	ASTM D1004
Tear Strength at Propagation	30 - 55	lb./mil	ASTM D1922
Thermal	Value	Unit	Test Method
Glass Transition	153	C	ASTM 3417 / D3418
Shrinkage			ASTM 1204 (150C)
MD	1.4	%	
TD	1.4	%	

Disclaimer: All of the descriptive information listed above is our recommendation only. This information does not suggest or constitute a written or verbal warranty or guaranty of any kind by the manufacturer or distributor of this product. Although this material can be printed on with some solvent based printers, the surface characteristics of the material can change from roll to roll, and failure of optimal printing results are not a basis for returning the product. Purchasers of this product shall be responsible for independently determining the suitability of the material for the intended application. GMS0612